

CLAIMS

WHAT IS CLAIMED IS:

1. An electrical box assembly comprising:

5 a molded dimensionally stable box structure
formed of a rigid material having a back with an
interior surface and an exterior surface and a side
wall with an interior surface and an exterior
surface, the side wall extending laterally from the
back and terminating a predetermined distance the
10 back and defining exposed edges remote from the back,
whereby the interior surfaces of the back and the
side wall define an open front of said box facing
outwardly from the back and the exterior surfaces of
the side walls define an outer perimeter of said box;
15 and

a flange formed of a flexible generally flat
material having an interior surface and a spaced
apart exterior surface, said flange having an opening
defined by inner edges which are caused to be
20 sealingly engaged with the exterior surfaces of the
side wall of said box to produce a weather-tight
moisture resistant seal between the inner edges of
the opening in said flange and the adjacent exterior
surface of the side wall of said box and extending
25 completely around the outer perimeter of said box,
wherein said flange is spaced a distance from the
exposed edges of the side walls of said box to
accommodate a thickness of an associated wall board.

2. An electrical box assembly comprising:

5 a molded dimensionally stable box structure
formed of a rigid first material having a back with
an interior surface and an exterior surface and a
side wall with an interior surface and an exterior
surface, the side wall extending laterally from the
back and terminating a predetermined distance from
the back and defining exposed edges remote from the
back, whereby the interior surfaces of the back and
10 the side wall define an open front of said box facing
outwardly from the back and the exterior surfaces of
the side walls define an outer perimeter of said box;
and

15 a flange formed of a flexible generally flat
second material having an interior surface and a
spaced apart exterior surface, said flange secured to
and extending outwardly from the exterior surfaces of
the side wall of said box to produce a moisture
resistant seal between said flange and the adjacent
20 exterior surface of the side walls of said box and
extending completely around the outer perimeter of
said box, wherein said flange is spaced a distance
from the exposed edges of the side walls of said box
to accommodate a thickness of an associated wall
25 board.

3. An electrical box assembly comprising:

a box constructed of a first material and having a bottom, a side wall extending laterally from the bottom and terminating a predetermined distance from the back, and an open top, said box adapted to facilitate electrical connections therein and adapted for attachment to a building structure; and

a flexible flange constructed of a second material and secured to and extending outwardly from an outer surface of the side wall of said box, said flange spaced towards the bottom from the open top and adapted to be sealingly engaged with the building structure, said flange accommodating inconsistencies in the building structure and misalignment of said box with the building structure.

4. The electrical box according to Claim 3, wherein the first material is one of steel, PVC, polycarbonate, polyphenylene oxide, fiberglass reinforced polyester.

5. The electrical box according to Claim 3, wherein the second material is at least one of polyester, polyurethane, polyether, polyamide, polyimide, polycarbonate, polyvinylchloride, polyurethane.

6. The electrical box according to Claim 3, wherein said box includes at least one fastener for attachment to the building structure.

7. The electrical box according to Claim 3, wherein the side wall of said box has a circular cross section.

8. The electrical box according to Claim 3, wherein
5 the side wall of said box has a rectangular cross section.

9. The electrical box according to Claim 3, wherein said flange is spaced a distance from the open top of said box to accommodate the thickness of an associated wall
10 board.